

What is claimed is:

1. A dry powder inhalation composition comprising,
  - (a) medicament particles, and
  - (b) a mixture of lactose particles with a VMD of between about 70 and about 120 microns and a diameter of less than 250 microns, said mixture characterized in that up to 96% by weight of the lactose particles are less than 150 microns in diameter and wherein up to 25% by weight of the lactose particles are less than 5 microns in diameter.
2. A dry powder inhalation composition according to Claim 1, wherein up to 85% by weight of the lactose particles mixture is less than about 90 microns in diameter.
3. A dry powder inhalation composition according to Claim 1, wherein up to 37% by weight of the lactose particles mixture is less than about 60 microns in diameter.
4. A dry powder inhalation composition according to Claim 1, wherein up to 35% by weight of the lactose particles mixture is less than 30 microns in diameter.
5. A dry powder inhalation composition according to Claim 1, wherein up to 31.5% by weight of the lactose particles mixture is less than 15 microns in diameter.
6. A dry powder inhalation composition according to Claim 1, wherein up to 30% by weight of the lactose particles mixture is less than 10 microns in diameter.
7. A dry powder inhalation composition according to Claim 1, wherein between 6.5 and 24.5% by weight of the lactose particles mixture is less than 5 microns in diameter.
8. A dry powder inhalation composition according to Claims 1 or 7, comprising up to 10% by weight of medicament particles.

9. A dry powder inhalation composition according to any one of the preceding Claims, wherein the medicament particles are formoterol or a pharmaceutically acceptable derivative thereof.
10. A dry powder inhalation composition according to any one of the preceding Claims, wherein the medicament particles are formoterol fumarate dihydrate.
11. A multidose dry powder inhaler comprising a dry powder inhalation composition according to any one of the preceding Claims.
12. A method for the administration of a particulate medicament, comprising inhalation from a MDPI of a dry powder inhalation composition according to Claims 1, 7, 9 or 10.